ADEL®
PROFESSIONAL MANUFACTURER

Trinity 788 Operation Manual

- Thank you for purchasing this product
- Read this manual thoroughly before use
- Keep this manual for the convenience of future reference

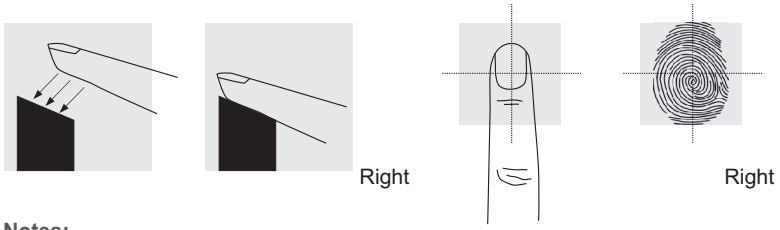
ADEL FINGERPRINT TECHNOLOGY LLC
Add: 20311 Valley Blvd., Suite L, Walnut, CA 91789, USA
Postal Code: 91789 Toll Free: +1 877 246 2335
E-mail: info@adelfingerprint.com

ADEL GROUP (ASIA) LIMITED
Add : Unit 2006-2007A, 20/F, Futura Plaza,111-113 How Ming Street,
Kwun Tong, Kowloon, Hong Kong
Tel: +852 2989 6328 Fax: +852 2989 6329

Notice

1. Keep your fingers clean when using this product.
2. In the state of new lock (factory setting), the lock can be unlocked with any fingerprint.
3. When opening the door, if the lock beeps an alarm and the indicator light flashes red, it's indicating the lock is in insufficient voltage level. Please change the batteries.
4. This product can save 99 fingerprints, among which 3 are master fingerprints (Code: 00-02), and other 96 are member fingerprints (Code: 03-98). Additionally there is also a set of spare password for unlocking (Code: 99).
5. Deletion of fingerprint is to delete each fingerprint separately according to its code; the fingerprint cannot be deleted unless you know the code.
6. The dirt on the surface of fingerprint collection window may affect the normal use. Therefore please keep it clean.
7. Do not clean the lock surface with corrosive substance, or else the protection layer may be damaged and thus influence the gloss of the lock surface. Therefore please clean the lock surface periodically with “furniture polish wax” (e.g. “Pledge”).
8. If the latch bolt fails to draw back and forth freely, or the door cannot be closed normally due to the distortion of the door, please adjust the strike plate's position.
9. When the fingerprint and password fails to work, use the mechanical key to open the door; please keep the mechanical key in a proper place.

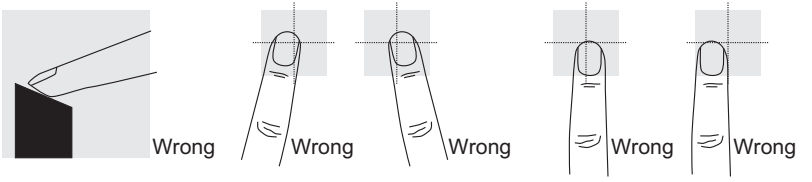
- **Right method to apply fingerprint**



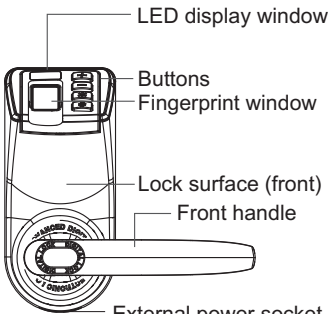
Notes:

When the red light on fingerprint collection window flashes, press your finger onto the window, and then remove your finger after a beep; press your finger again after 2 seconds, if you hear two long beeps, the collection is successfully completed.

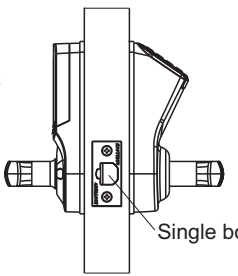
- **Error in applying fingerprint**



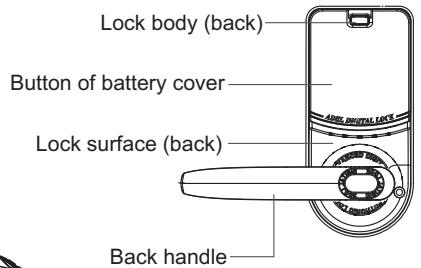
- **Name of the parts**



Lock body (front)



Side



Lock body (back)

ADEL PROFESSIONAL MANUFACTURER Trinity 788 Operation Manual

Contents

I. Assignment of fingerprint and password 06
II. Initialization of the door lock 06
III. Enrollment of master fingerprints / member fingerprints 08
IV. Setup of spare password 12
V. Deletion of fingerprints 14
VI. Daily use state 15
VII. Use of emergency key 17
VIII. Use of external power 17
IX. Change of batteries 18

Trinity 788 Door Lock Operation Instructions

• Instructions of the lock buttons

Buttons	Function in setup state	Other functions
Button “+”	Enter the enrollment mode	Figures 0-9 up
Button “-”	Enter the deletion mode	Figures 0-9 down
Button “*”	Cancel current operation	Setup passage mode
Button “#”	Confirm current operation	Activation (Activate the lock to work state)

• Indication of the lock state

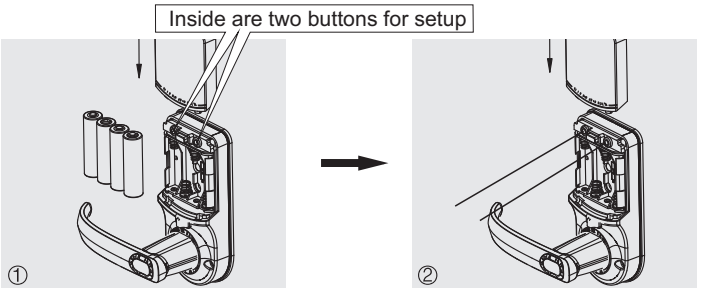
1. Operation succeeded: green light on, with two long beeps.
2. Operation failed: red light on, with two short beeps.
3. Door open: electric engine makes a rolling sound for the first time, which indicates the lock is in door open state.
   Door closed: electric engine makes a rolling sound for the second time, which indicates the lock is in door closed state.
4. Enter passage mode: the lock makes a beep, and after the successful setup, the green indicator light flashes every 5 seconds.

I. Assignment of fingerprint and password

Types	Number	Code	Privilege	
Master fingerprint	3	00-02	Add/delete fingerprint	Passage mode
Member fingerprint	96	03-98	Open the door	
Password	1 set	99	Open the door	

Note:
The three master fingerprints can delete each other. At the deletion of the last master fingerprint, the lock resumes to the factory setting.

II. Initialization of the door lock



Specific operations:

a) Press the on battery cover button, slide the battery cover upward and remove it, you can see one hole at each side, and inside each hole there is a button for setup;

b) Remove either of the four batteries, pressing the buttons on the front side to confirm the power is successfully cut off, then insert into the two holes to press the buttons inside with two slim objects (e.g. iron wire) at the same time, hold it tight (not to release), and reload the battery. The lock is then re-powered, if you hear a toot sound after 5 seconds, the initialization of the lock is successfully completed, and you may loose the slim objects.

Note:

After initialization of the lock, all the enrolled fingerprints and password in the lock are cleared, and the lock resumes to the new lock state (factory setting). Any finger can open the door, and master fingerprints, member fingerprints, as well as spare passwords need to be set again.

III. Enrollment of master fingerprints / member fingerprints

- **Enrollment of master fingerprints (take user “01” as an example)**

Operational procedure	Indication of the lock
In the state of new lock, put any finger on the fingerprint collection window to enter the door open state	Green light is on, and the LED displays “--”
Press Button “+” to enter the enrollment mode	A beep sound heard, and the LED displays “0-”
Press Button “+” or “-” to adjust the first digit “0” of the fingerprint code, and press Button “#” to confirm the choice	The tens place displays the figure that has just been set, while the ones place displays “0”
Continue to press Button “+” or “-” to adjust the second digit “1” of the fingerprint code, and press Button “#” to confirm	The LED displays the fingerprint code “01” flashing
Press Button “#” to reconfirm the fingerprint code “01”	The LED displays fingerprint code “01”, with red light on the fingerprint window
Put the finger to be enrolled on the fingerprint collection window, and collect twice ①	When the red light of the fingerprint window is on, press with the finger; after the beep, remove the finger and press one more time. A long beep will sound and the two collections are successfully completed
The first master fingerprint is set	The LED displays the code “01” and enrollment finished. Light on fingerprint window turns off and the LED displays “0-”,continue to set other fingerprints

Notes:

1. If the buzzer makes two short beeps, and the red indicator light flashes, the setup fails;
2. Each lock can only set 3 master fingerprints with code “00-02”, and the master fingerprints can delete each other, open the door, setup passage mode, as well as authorize and setup or delete the member fingerprints and spare password;
3. After successful enrollment of the first master fingerprint, continue operation while the LED displays “0-” to enroll other fingerprints needed; or else the LED will stop display two seconds later;
4. When inputting fingerprint code, you can press Button “*” to cancel current operation and re-input, or press Button “*” during operation to exit setup state;
5. Refer to “Notes” of “Right method to apply fingerprint” (P 02) for operation ①.

- **Enrollment of member fingerprints (take user “03” as an example)**

Operational procedure	Indication of the lock
Put the master finger that has been enrolled on the fingerprint window and enter door open state	Green light is on, and the LED displays the code of the master fingerprint
Press Button “+” to enter the enrollment mode	A beep sound heard, and the LED displays “0-”
Press Button “+” or “-” to adjust the first digit “0” of the fingerprint code, and press Button “#” to confirm the choice.	The figure just set jumps to the tens place, and the ones place displays “0”
Continue to press Button “+” or “-’ to adjust the second digit “3” of the fingerprint code, and press Button “#” to confirm	The LED displays the fingerprint code “03” and flashes alternately.
Press Button “#” to reconfirm the fingerprint code “03”	The LED displays fingerprint code “03” with the red light on the fingerprint window is on
Put the finger to be enrolled on the fingerprint collection window, and collect twice	When the red light of the fingerprint window is on, press with the finger; after the beep, remove the finger and press one more time. A long beep will sound and the two collections are successfully completed
Member fingerprint 03 is enrolled	Continue to set other fingerprints while the LED displays “0-”; or else the display will stop two seconds later, with green lights turn off.

Notes:

1. If the buzzer makes two short beeps, and the red indicator light flashes, the member fingerprint setup fails;
2. After successful enrollment of a member fingerprint, continue operation while the LED displays "0-" to enroll other fingerprints needed; or else the LED will stop display two seconds later;
3. The enrollment of the member fingerprints can only be completed under the authorization of the master fingerprint;
4. The fingerprint codes are correspondent with the members. The above explanation takes the user with fingerprint code "03" as an example;
5. When inputting fingerprint code, you can press Button "*" to cancel current operation and re-input, or press Button "*" during operation to exit setup state;

IV. Setup of spare password (code 99)

Operational procedure	Indication of the lock
Put the master fingerprint on the fingerprint window and enter door open state	Green light is on, red light on the fingerprint windowis on, and the LED displays the code of the master fingerprint
Press Button "+" to enter the enrollment mode	A beep sound heard, and the LED displays "0-"
Press Button "+" or "-" to choose the first digit "9" of the password code, and press Button "#" to confirm the choice	The LED displays the figure "9" just set which jumps to the tens place, and the ones place displays "0"
Continue to press Button "+" or "-" to adjust the second digit "9" of the password code, and press Button "#" to confirm	The LED displays the fingerprint code "99" and flashes alternately
Press Button "#" again to confirm the password code "99"	The LED displays "- 0" after a beep, both green and red indicator light on.
The password composes of 6 digits. Press Button "+" or "-" to choose the first digit of the password, and press Button "#" to confirm the choice ①	The LED displays the figure selected after a beep, the figure jumps to the tens place, and the ones place displays "0"
Set other 5 digits following the above step ①, press Button "#" to enter each digit of the password.	Green light on and red light off after two long beeps, and the LED displays the last two digits of the password is set
The spare password is set	The LED displays "0-", the display will stop 5 seconds later, with green lights turn off.

Notes:

1. The original password of the new lock (factory setting) is “111111”, and this original password will be cleared at the time of the successfully enrollment of the master fingerprint
2. The spare password must be of 6 digits, which is an arbitrary combination of the figures “0~9”;
3. Only one spare password can be set for each lock, and with the code “99”. The spare password is the only password that can open the door, you can change it and delete it; if you set the password to “000000”, the set password will be deleted;
4. During the setting, the confirmed figure will be moved automatically to the tens place of the LED, with the figure to choose and confirm at the ones place;

V. Deletion of fingerprints (take user “03” as an example)

Operational procedure	Indication of the lock
Put the master finger that has been enrolled on the fingerprint window and enter door open state	Green light is on, light on the fingerprint window is on, and the LED displays the code of the master fingerprint
Press Button “-” to enter the deletion mode	The LED displays “0-”
Press Button “+” or “-” to choose the first digit “0” of the password code, and press Button “#” to confirm the choice	The LED displays the figure “0” just set which jumps to the tens place, and the ones place displays “0”
Continue to press Button “+” or “-” to adjust the seconddigit “3” of the fingerprint code,and press Button # to confirm	The LED displays the fingerprint code “03” and flashes alternately.
Press Button “#” to reconfirm the fingerprint code to be deleted, and the deletion of the member fingerprint is completed	The light on the fingerprint window flash one time with a relatively sharp and quick beep, the LED displays “0-” and stops display two seconds later

Notes:

1. Continue to input fingerprint code while the LED displays “0-”, and repeat the operation for deletion of other fingerprint;
2. The fingerprint codes “00-02” are master fingerprints, while “03-98” are member fingerprints;
3. The deletion of the member fingerprint can only be completed when its fingerprint code is available.

VI. Daily use state

- **Open the door with fingerprint**

1. Start automatically

Operational procedure	Indication of the lock
Put the finger enrolled on the fingerprint window, and the lock will activate automatically. Hold the finger for recognition, and enter the door open state	The green light is on, the red light on the fingerprint window is on, the LED displaysthe fingerprint code, and the electric engine makes a rolling sound
Turn the handle to open the door	Otherwise it will automatically be locked 5 seconds later

2. Start manually

Operational procedure	Indication of the lock
Press Button “#” to activate the lock	The green light is on, and the red light on the fingerprint window is on
Put the finger enrolled on the fingerprint window, hold the finger for recognition, and enter the door open state	The LED displays the fingerprint code, and the electric engine makes a rolling sound
Turn the handle to open the door	Otherwise it will automatically be locked 5 seconds later

- **Open the door with password**

Operational procedure	Indication of the lock
Press Button “+” or “-” directly	The LED displays “-0”
Input the 6-digit spare password. Press Button “#” to enter each digit of the password.	The green light is on all along after a beep, and the electric engine makes a rolling sound, with “99” display on the LED
Turn the handle to open the door	Otherwise it will automatically be locked 5 seconds later

Notes:

1. Method of password input: Press Button “+” or “-” to choose the first digit of the password, and press Button “#” to confirm the choice. Continue to choose other five digits with the same method;
2. In case the automatically start function fails, press Button “#” to start it manually;
3. If the operation fails, the red light will be on, and two short beeps sound.

- **Setup passage mode**

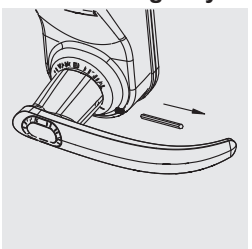
  Press Button “*” within 5 seconds after the door opened, and the passage mode is set.

  Note: Passage mode refers to the state in which the door can be opened immediately by turning the handle without recognition of fingerprint or password. It is for the convenience of conferences or gathering.

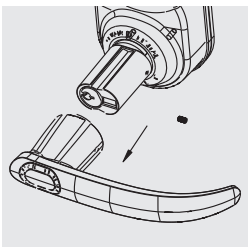
- **Cancel passage mode**

  When the lock is in passage mode, place an enrolled fingerprint or input the valid password to cancel the passage mode.

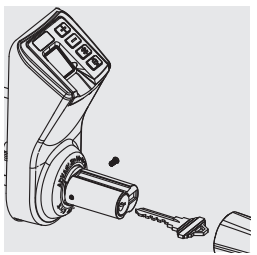
VII. Use of emergency key



Remove the screw with an instrument



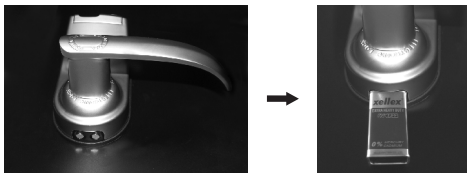
Remove the handle and you will see the key hole



Insert the key and open the door

VIII. Use of external power

If it fails to operate the lock normally due to insufficient voltage, use a 9V battery for emergency power supply (pay attention to the positive and negative poles of the battery), and then place an enrolled fingerprint or input the spare password to open the door.



IX. Change of batteries

Procdure ➡ Remove the battery cover ➡ Remove all the used batteries ➡ Load new batteries ➡ Change of batteries completed

Notes:

1. When loading the batteries, operate correctly with attention to the sign of positive and negative poles in the battery box!
2. When changing batteries, never mix the new battery with the used.
3. Please preserve the environment by handing over the used batteries to designated place for reclaim.

After Sales Service

Please contact your local dealers for the maintenance service.

- **Solution for common error**

Phenomenon	Cause	Solution
Press the finger on the fingerprint collection window to open the door, red light is on together with two short beeps, and fails to open the door.	1. This fingerprint might be illegal 2. This fingerprint has already been cleared	Apply a valid fingerprint
Open the door with a valid fingerprint, red light is on with two short beeps, and fails to open the door.	1. There is a large difference with the position of the valid fingerprint 2. The fingerprint is damaged	Press the finger on the collection window one more time, trying to minimize the difference of the position with that at the time of enrollment
Red light is constantly on	1. Low battery voltage 2. PCB failure	1. Change the batteries 2. Check Cable connection
Alarm sounds when open the door	Low battery voltage	Change the batteries
No response after pressing the buttons	No battery	Change the batteries
Often fail to verify the fingerprints	1. The finger is too dirty 2. The finger is too dry 3. The finger is too wet 4. The collection window is too dirty 5. The finger press on the collection window incorrectly	1. Clean the finger 2. Moisten the finger (e.g. touch the forehead with the finger) 3. Wipe the finger 4. Clean the collection window 5. Press the finger with the method on Page 2
Fail to enter the enrollment or deletion mode	1. The finger for unlock is not the master finger 2. The operational procedure is incorrect	1. Confirm that you unlock with the master finger 2. Review the instructions or contact the after sales service